AMENDMENTS TO THE CLAIMS

- (Currently Amended) A method of evaluating a physical object, the method comprising:
 - reading instructions of a macro,
 - said macro configured for use with measurement equipment, said measurement equipment being capable of performing measurements of a physical object,
 - said macro comprising instructions for said equipment to perform an evaluation of a physical object;
 - reading a numerical representation of said physical object;
 - generating an evaluation of said physical object by performing the instructions of said macro upon a-the numerical representation of the surface of said physical object; and
 - outputting said evaluation.

so as to generate macro results; and

- (Previously Presented) Method according to claim 1 wherein said numerical representation of the surface is obtained by scanning part or all of the physical object using an object scanner.
- (Previously Presented) Method according to claim 1, wherein said numerical representation of the surface is any of point cloud data, triangulated mesh data, rendered surface data, and polyline data.
- (Currently Amended) Method according to claim 1, wherein said measurement equipment is a Coordinate Measuring Machine; (CMM).
- (Currently Amended) Method according to claim 1, wherein said macro comprises
 Dimensional Measuring Interface Standard, (DMIS), commands.
- (Previously Presented) Method according to claim 1, wherein said macro comprises CMM commands.

 (Previously Presented) Method according to claim 1, further comprising communicating said evaluation by part of a DMIS-measurement program or by using DMIS commands format.

- (Previously Presented) Method according to claim 1, further comprising communicating the said evaluation in the format of CMM measurement results.
- (Previously Presented) Method according to claim 1, wherein the instructions of said macro that are performed relate to measurement of data from the numerical representation of the surface.
- (Previously Presented) Method according to claim 1, further comprising performing translations through the surface of the object.
- (Previously Presented) Method according to claim 1, wherein the macro comprises instructions for performing a measurement comprising:
 - (a) determining elements of data that numerically represent the object, and that correspond to the position on the physical object to be measured, without increasing the resolution by calculating the co-ordinates of any additional points;
 - (b) calculating additional points by interpolation of the determined elements, wherein the additional points increase the resolution in an area of a position to be measured:
 - (c) calculating from the area of increased resolution a measurement of the object.
- (Previously Presented) Method according to claim 1, wherein one or more instructions of said macro have been created by using said numerical representation of the physical object.
- (Original) Method according to claim 12 wherein said instructions are recorded to the macro by way of a DMIS-measurement program or using the DMIS commands format.
- 14. (Previously Presented) Method according to claim 12, wherein said instructions are part of a measurement sequence generated by recording commands of a Coordinate Measuring Machine measurement program.
- 15. (Previously Presented) Method according to claim 12, wherein said instructions are part of a measurement sequence in a Coordinate Measuring Machine measurement program.

and

. 16. (Previously Presented) Method according to claim 1, wherein said evaluation comprises the execution of steps on a computer in an automatic way without interaction with the user of said computer during the execution of said steps.

17. (Currently Amended) <u>A_Mmethod for of virtually measuring an object, the</u> method comprising: using

performing an evaluation of a cloud of points virtually representing said object;

calculating the value or values that approximate the value or values that would result from the measurement of said object by a measuring device, wherein the evaluation is output.

(Currently Amended) <u>A Mm</u>ethod for of virtually probing an object, the method comprising: using

performing an evaluation of a cloud of points virtually representing said object; and

calculating or selecting the <u>a</u> point that approximates the <u>a</u> point that would result from the probing of a <u>coordinate measuring machine (CMM)</u> on the said object, <u>wherein the evaluation is output</u>.

- (Previously Presented) A computer readable medium comprising instructions which, when executed, cause the computer to perform the method according to claim 1.
- 20. (Previously Presented) A computer readable medium according to claim 19, further comprising instructions which, when executed cause the computer to receive a numerical representation of the physical object from a remote computer.
- 21. (Previously Presented) A computer readable medium according to claim 20 wherein the numerical representation is received from the remote computer across any of the Internet, email, wireless link, public switched telephone network, ISDN, satellite link, or by physical transport of a computer readable storage medium holding said numerical representation.
- 22. (Previously Presented) A computer readable medium according to claim 21 wherein said computer readable storage medium comprises any of optical disk, magnetic disk, optic-magnetic disk, magnetic tape.

23. (Previously Presented) A computer readable medium according to claim 19, further comprising instructions, which, when executed cause the computer to display a user interface on a web browser of a remote computer connected to the Internet, said interface allowing a user to send the numerical representation of the physical object over the Internet to a computer configured to perform said method.

- 24. (Previously Presented) A computer readable medium according to claim 19, further comprising instructions, which, when executed, cause the computer to display a user interface on a web browser of a remote computer connected to the Internet, said interface allowing a user to send said macro over the Internet to a computer configured to perform said method.
- 25. (Previously Presented) A computer readable medium according to claim 19, further comprising instructions, which, when executed, cause the computer to display a user interface on a web browser of a remote computer connected to the Internet, said interface allowing a user to send the title of said macro or an indication of said macro over the Internet to a computer configured to perform said method.
- 26. (Previously Presented) A computer readable medium according to claim 19, further comprising instructions, which, when executed, cause the computer to display a user interface on a web browser of a remote computer connected to the Internet, said interface allowing a user to receive an evaluation report of a physical object generated by said method.
- 27. (Previously Presented) A computer readable medium according to claim 19, further comprising instructions, which, when executed, cause the computer to display a pay-per-use interface on a web browser of a remote computer connected to the Internet, said pay-per-use interface configured to perform one or more of the following:
 - (a) requesting a username and password to the remote computer user so as to enable a user to access an account for using the method;
 - (b) requesting billing information of the remote computer user;
 - (c) indicating a billing amount to the remote computer user, the billing amount relating to the number of evaluations performed; and
 - (d) providing a username and password to the remote computer user so as to enable a user to access an account for using the method.

 (Currently Amended) A device configured to performing the method claim 1, the device comprising:

- means for reading the instructions of a macro,
- said macro configured for use with measurement equipment, said measurement equipment being capable of performing measurements of a physical object,
- said macro comprising instructions for said equipment to perform an evaluation of a physical object.
- means for performing the instructions of said macro upon a numerical representation of the surface of said object so as to generate macro results; and
- means for obtaining from the macro results, an evaluation of the physical object.
- 29. (Previously Presented) A device according to claim 28, wherein the device is integrated with measurement equipment, the measurement equipment being capable of performing measurements of a physical object.
- (Currently Amended) A device according to claim 29, wherein said measurement equipment is a coordinate measuring machine (CMM).
- 31. (Previously Presented) The method of Claim 1, wherein the output of the evaluation is a report.
- (Previously Presented) The method of Claim 17, wherein the output of the evaluation is a report.
- 33. (Previously Presented) The method of Claim 18, wherein the output of the evaluation is a report.
- 34. (New) The method of Claim 1, wherein the evaluation comprises obtaining information regarding the shape of a portion or a feature of a physical object.
- 35. (New) The method of Claim 34, wherein the evaluation provides an assessment of the trueness of a feature of the physical object or a dimension of a physical object.
 - (New) The method of Claim 1, wherein the evaluation comprises a measurement.